

CLAIMS

1. A polyester resin (A) comprising

(a-1) 45 to 99% by mole of an oxycarboxylic acid unit having 5 carbon atoms or less,

5 (a-2) 0.5 to 27.5% by mole of an aromatic dicarboxylic acid unit,

(a-3) 0.5 to 27.5% by mole of an aliphatic diol unit having 4 carbon atoms or less,

10 based on 100% by mole of the total constituent units, and containing the oxycarboxylic acid unit having 5 carbon atoms or less (a-1), the aromatic dicarboxylic acid unit (a-2) and the aliphatic diol unit having 4 carbon atoms or less (a-3) in a total amount of 95% by mole or greater,

15 wherein the relationship between the content of the oxycarboxylic acid, expressed as M% by mole, and the density of the polyester resin, expressed as ρ (kg/m³), satisfies the following Formula 1:

[Formula 1]

$$\rho \geq 1349 + M \times 0.85$$

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2. The polyester resin (A) according to claim 1, wherein the oxycarboxylic acid unit having 5 carbon atoms or less is glycolic acid.

25 3. The polyester resin (A) according to claim 1, wherein

the aromatic dicarboxylic acid unit is at least one dicarboxylic acid unit selected from isophthalic acid, 2,6-naphthalenedicarboxylic acid and terephthalic acid.

5 4. A molded product formed from a laminate having at least a layer comprising an oxycarboxylic acid-copolymerized polyester resin (A) and a layer comprising crystalline polyester resin (B):

(A): the oxycarboxylic acid-copolymerized polyester resin which contains 45 to 99% by mole of an oxycarboxylic acid unit having 5 carbon atoms or less based on 100% by mole of the total constituent units, contains the oxycarboxylic acid unit having 5 carbon atoms or less, an aromatic dicarboxylic acid unit and an ethylene glycol unit 15 in a total amount of 95% by mole or greater, and satisfies the following Formula (1):

[Formula 1]

$$\rho \geq 1349 + M \times 0.85$$

wherein ρ is the density (kg/m^3), and M is the content of the 20 oxycarboxylic acid (% by mole).

5. The molded product according to claim 4, wherein the copolymerized polyester resin (A) contains 0.5 to 27.5% by mole of the aromatic dicarboxylic acid unit and 0.5 to 27.5% 25 by mole of the ethylene glycol unit.

6. A laminate according to claim 4, wherein the crystalline polyester resin (B) is a polyester selected from the group consisting of polyethylene terephthalate,
5 polytrimethylene terephthalate, polybutylene terephthalate, polyethylene-2,6-naphthalate and polyethylene isophthalate.

7. The molded product according to any one of claims 4 to 6, having a structure wherein the layer comprising the
10 polyester resin (A) is interposed between the layers comprising the crystalline polyester resin (B).